

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
 US Department of Commerce
 United States Patent and Trademark
 Office, PCT
 2011 South Clark Place Room
 CP2/5C24
 Arlington, VA 22202
 ETATS-UNIS D'AMERIQUE
 in its capacity as elected Office

Date of mailing (day/month/year)
 18 December 2000 (18.12.00)

International application No.
 PCT/AU00/00418

Applicant's or agent's file reference
 2291065/DBW

International filing date (day/month/year)
 05 May 2000 (05.05.00)

Priority date (day/month/year)
 06 May 1999 (06.05.99)

Applicant

LOW, Sydney, Gordon et al

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
 01 December 2000 (01.12.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Charlotte ENGER

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

WEBBER, David, Brian
Davies Collison Cave
1 Little Collins Street
Melbourne, VIC 3000
AUSTRALIEDate of mailing (day/month/year)
03 April 2001 (03.04.01)Applicant's or agent's file reference
2291065/DBW

IMPORTANT NOTIFICATION

International application No.
PCT/AU00/00418International filing date (day/month/year)
05 May 2000 (05.05.00)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

SHARINGA NETWORKS INC.
1310 King Street
Wilmington, DE 19801
United States of AmericaState of Nationality
USState of Residence
USTelephone No.
-Facsimile No.
-

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☐ the name ☒ the address ☐ the nationality ☐ the residence

Name and Address

SHARINGA NETWORKS INC.
1310 King Street
Wilmington
New Castle County, DE 19801
United States of AmericaState of Nationality
USState of Residence
USTelephone No.
-Facsimile No.
-

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☒ the International Preliminary Examining Authority ☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Marie-José Devillard

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

WO 00/68862
PCT/AU00/00418

From the INTERNATIONAL BUREAU

PCT

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

WEBBER, David, Brian
Davies Collison Cave
1 Little Collins Street
Melbourne, VIC 3000
AUSTRALIE

Date of mailing (day/month/year) 16 November 2000 (16.11.00)		IMPORTANT NOTICE	
Applicant's or agent's file reference 2291065/DBW			
International application No. PCT/AU00/00418	International filing date (day/month/year) 05 May 2000 (05.05.00)	Priority date (day/month/year) 06 May 1999 (06.05.99)	
Applicant SHARINGA NETWORKS INC. et al			

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:
AG,AU,DZ,KP,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,CA,CH,CN,CR,CU,CZ,DE,DK,DM,EA,EE,EP,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,NO,NZ,OA,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on
16 November 2000 (16.11.00) under No. WO 00/68862

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

To:

DAVIES COLLISON CAVE
1 Little Collins Street
MELBOURNE VIC 3000

Date of mailing
day/month/year

01 JUN 2001

IMPORTANT NOTIFICATION

Applicant's or agent's file reference
2291065

International Application No.
PCT/AU00/00418

International Filing Date
5 May 2000

Priority Date
6 May 1999

Applicant
SHARINGA NETWORKS INC. et al

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translations to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide

Name and mailing address of the IPEA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

S KAUL
Telephone No. (02) 6283 2182

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INTERNATIONAL COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 08 JUN 2001

W/ISO

PCT

Applicant's or agent's file reference 2291065	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).
International Application No. PCT/AU00/00418	International Filing Date (day/month/year) 5 May 2000	Priority Date (day/month/year) 6 May 1999
International Patent Classification (IPC) or national classification and IPC Int. Cl. ⁷ G06F 19/00, 17/33, 12/14		
Applicant SHARINGA NETWORKS INC. et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 6 sheets, including this cover sheet.
☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheet(s).

3. This report contains indications relating to the following items:

- | | | |
|------|-------------------------------------|---|
| I | <input checked="" type="checkbox"/> | Basis of the report |
| II | <input type="checkbox"/> | Priority |
| III | <input type="checkbox"/> | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| IV | <input checked="" type="checkbox"/> | Lack of unity of invention |
| V | <input checked="" type="checkbox"/> | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| VI | <input checked="" type="checkbox"/> | Certain documents cited |
| VII | <input type="checkbox"/> | Certain defects in the international application |
| VIII | <input checked="" type="checkbox"/> | Certain observations on the international application |

Date of submission of the demand 1 December 2000	Date of completion of the report 29 May 2001
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer S KAUL Telephone No. (02) 6283 2182

I. Basis of the report

1. With regard to the **elements of the international application**:*
- ☐ the international application as originally filed.
- ☒ the description, pages **1-12**, as originally filed,
pages , filed with the demand,
pages , received on with the letter of
- ☒ the claims, pages **13,14,17**, as originally filed,
pages , as amended (together with any statement) under Article 19,
pages , filed with the demand,
pages **15,16**, received on **21 February 2001** with the letter of **21 February 2001**
- ☒ the drawings, pages **1/5-5/5**, as originally filed,
pages , filed with the demand,
pages , received on with the letter of
- ☐ the sequence listing part of the description:
pages , as originally filed
pages , filed with the demand
pages , received on with the letter of
2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
These elements were available or furnished to this Authority in the following language which is:
- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, was on the basis of the sequence listing:
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/fig.
5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

IV. Lack of unity of invention

1. In response to the invitation to restrict or pay additional fees the applicant has:

- ☐ restricted the claims.
- ☐ paid additional fees.
- ☐ paid additional fees under protest.
- ☐ neither restricted nor paid additional fees.

2. ☒ This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.

3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is

- ☐ complied with.
- ☒ not complied with for the following reasons:

Claims 1-14 and 19 define an access system based on plural access states determining data received by the computer device.

Claims 15-18 and 21-26 define an arrangement for restricted access to a network by means of login data.

Claim 20 defines a network access method relating to locations with access charge and other locations without access charge.

4. Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:

- ☒ all parts.
- ☐ the parts relating to claims Nos.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims 1-14,16-19,22-24,26	YES
	Claims 15,20,21,25	NO
Inventive step (IS)	Claims 1-14,16-19,22-24,26	YES
	Claims 15,20,21,25	NO
Industrial applicability (IA)	Claims 1-26	YES
	Claims	NO

2. Citations and explanations (Rule 70.7)**NOVELTY(N)**

Claims 15,21,25:

D1 WO 9841913A, page 11, figure 3

This document discloses connecting the computer device to a network subject to authentication. The order in which the steps of connection and authentication are mentioned is not relevant since the term connection in the current context has no physical meaning. Essentially what is disclosed is connection subject to authentication which is what is being claimed. In absence of any real distinction between connection and obtaining access to the network the claims as currently drafted merely define access to a network subject to authentication which is clearly disclosed in D1 and is also well known in the art.

Claim 20:

D2 WO 9642041A, abstract, claim 21

This citation discloses an arrangement for accessing some locations on the network on a chargeable basis and implicit therein is the feature of accessing other sites without an access charge. Access controlled files form part of the group which can be termed "other locations" and attract an access charge.

INVENTIVE STEP(IS)

Claims 15,20,21,25:

As under novelty above.

VI. Certain documents cited**1. Certain published documents (Rule 70.10)**

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO 9959375	18 November 1999	5 May 1999	8 May 1998

WO 9959375A, refer abstract and claim 1

All the features of claims 15,21,25 are disclosed

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non- written disclosure (day/month/year)
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VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 19 does not make a clear reference to "plural access states".

Claims 15, 19-21 and 25 do not adequately define the invention in terms of a switch means having a plurality of access states which determine the network traffic or access to different sites and a session managing means for allocating a particular access state. These features are described through the whole specification as being a central feature of all the various embodiments and are necessary to achieve the object of the invention mentioned on page 1, lines 18-29 of the specification. In particular reference is made to pages 10-12.

--15--

14. An access system for a public communications network, such as the Internet, including:

means for connecting a computer device and establishing a TCP/IP session for access to the network;

5 switch means having a plurality of access states, the access states determining the sites and pages which can be accessed by the computer device during the session; and

means for managing the session to allocate at least one of the access states during the session.

10 15. (Amended) A communications network access system, including:

connection means for receiving a request from a computer device to connect to a communications network and for connecting the computer device to the network in response to the request;

15 sending means for sending login data to the computer device after it is connected to the network, the login data being adapted to generate a login display on the computer device which allows entry of unique authentication data by a user of the device; and

login means for receiving the unique authentication data entered by the user and for allowing the user to access the network using the computer device on determining that the authentication data is valid.

20

16. A communications network access system as claimed in claim 15, wherein the connection means includes a switch having a set of access states encoded therein and the login means accesses profile data for the user to control access to the network using the switch and the profile data to determine one of the access states for the switch.

25

17. A communications network access system as claimed in claim 16, wherein the connection means includes a RAS.

18. A communications network access system as claimed in claim 17, wherein the
30 sending means and login means includes a web server and a user database.

19. A communications network access method, including:

- 16 -

establishing a TCP/IP session with a computer device; and
assigning access states during the session, the access states determining TCP/IP
data received by the computer device.

- 5 20. A communications network access method, including:
connecting a computer device to a communications network;
accessing data from affiliate locations on the network without an access charge;
and
accessing data from other locations on the network with an access charge.

10

21. (Amended) A communications network access method, including:
receiving a request from a computer device to connect to a communications
network;
connecting the computer device to the network in response to the request;
15 sending login data to the computer device after the connecting step, the login data
being adapted to generate a login display on the computer device allowing entry of unique
authentication data by a user of the device;
receiving the unique authentication data entered on the computer; and
allowing the user to access the network using the computer device when the
20 authentication data is validated.

25

22. A communications network access method as claimed in claim 21, including
accessing profile data for the user and controlling access to the network using the profile
data.

23. A communications network access method as claimed in claim 22, wherein the
profile data determines one of a set of access states encoded in a switch connecting the
computer device to the network.

- 30 24. A communications network access method as claimed in claim 23, wherein the
login display includes links to locations on the communications network for which entry of
the authentication data is not required.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2291065	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> FOR FURTHER ACTION </div> <div style="width: 70%;"> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. </div> </div>	
International application No. PCT/AU00/00418	International filing date (<i>day/month/year</i>) 5 May 2000	(Earliest) Priority Date (<i>day/month/year</i>) 6 May 1999
Applicant SHARINGA NETWORKS INC. et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (See Box II).

4. With regard to the **title**, ☒ the text is **approved as submitted** by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**, ☒ the text is **approved as submitted** by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. **1**

☒ as suggested by the applicant.

☐ None of the figures

☐ because the applicant failed to suggest a figure

☐ because this figure better characterizes the invention

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU00/00418

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1-14,16-20 relate to selective access of the communications network.

Claims 15,21,22,25 relate to an arrangement for login to the communications network based on receipt of authentication data.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU00/00418

A. CLASSIFICATION OF SUBJECT MATTER																						
Int. Cl. ⁷ : G06F 19/00, 17/30, 12/14																						
According to International Patent Classification (IPC) or to both national classification and IPC																						
B. FIELDS SEARCHED																						
Minimum documentation searched (classification system followed by classification symbols) G06F/-																						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched AU:IPC AS ABOVE																						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT, JAPIO																						
C. DOCUMENTS CONSIDERED TO BE RELEVANT																						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																				
X	WO 9841913A, BASCOM GLOBAL INTERNET SERVICES, 24 September 1998.	15,21,25																				
X	page 11, figure 3	20																				
	pages 2,6,13,14, figure 6																					
X	WO 9642041A, OPEN MARKET INC., 27 December 1996	15,19,20,21, 25																				
	abstract, pages 4-8																					
P,X	WO 9959375A, TELEFONAKTIEBOLAGET LM ERICSSON, 18 November 1999	15,21,25																				
	abstract, claim 1																					
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex																						
* Special categories of cited documents: <table border="0"> <tr> <td>"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent but published on or after the international filing date</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention																			
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone																			
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art																			
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family																			
"P"	document published prior to the international filing date but later than the priority date claimed																					
Date of the actual completion of the international search 14 June 2000		Date of mailing of the international search report 20 JUN 2000																				
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU00/00418

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5560008A, JOHNSON et al, 24 September 1996	
A	US 5696898A, BAKER et al, 9 December 1997	
A	US 5889958A, WILLENS, 30 March 1999	

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/AU00/00418

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	9841913	AU	65648/98	US	5987606		
WO	9642041	AU	59367/96	CA	2221506	EP	830774
		US	5708780	US	5812776		
US	5560008	BR	9002267	EP	456920	JP	3009444
US	5696898	CA	2196867	CN	1159324	EP	793826
		WO	9715008				
US	5889958	AU	57121/98	WO	9828690		
END OF ANNEX							